

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of remote monitoring equipment for a machine fault, comprising,
monitoring equipment for an agricultural machine for
detecting operational ~~default~~-fault information,
automatically transmitting detected ~~default~~-fault
information to a ~~control~~-central information server,
and
automatically transmitting the ~~default~~-fault information to
a person having owner, custodial or service
responsibility for the machine.
2. (currently amended) The method of claim ~~1~~ 14 wherein the
~~default~~-fault information is transmitted to the fleet
manager via e-mail or telephone.
3. (currently amended) The method of claim 1 wherein the
machine is one of a fleet of machines-~~associated with the~~
~~fleet manager~~, and the foregoing steps of monitoring, and
transmitting ~~default~~-fault information, are used in
conjunction with each machine in the fleet.
4. (currently amended) The method of claim ~~1~~-2 wherein the
~~default~~-fault information is diagnosed at the central
information server, and information resulting from the

diagnosis is the ~~default~~-fault information transmitted to the fleet manager.

5. (currently amended) The method of claim 1 wherein the machine is an agricultural machine, ~~and the central information server is a process computer is provided,~~ the monitoring equipment is at least one sensor sensing operational characteristics of the machine, submitting data containing information about the sensed characteristics to the process computer, and communicating the fault messages to the remotely located person.

6. (original) The method of claim 1 wherein the type of fault is at least one of an operational fault or a crop processing fault:

7. (currently amended) The method of claim 6 wherein an operational parts fault corresponds to operational data of the operational parts exceeding ~~a~~-the predefined threshold, and ~~a~~-the crop processing fault corresponds to crop processing characteristics of the agricultural implement exceeding a predefined threshold.

8. (currently amended) The method of claim ~~6~~-1 wherein the type of fault is a service interval fault indicating that a predefined service interval is exceeded.

9. (original) The method of claim 6 wherein the operational data of the operational parts are data concerning at least one of a main engine's oil pressure, temperature, number of

rotations and number of rotations of an operative element of the agricultural implement.

10. (original) The method of claim 6 wherein the crop processing characteristics of operational parts are the amount of lost grain in a threshing and separating process of a combine.

11. (currently amended) The method of claim 5 wherein the ~~machine is an agricultural machine and a process computer is provided,~~ monitoring equipment is sensing crop processing data of the machine and transmitting the same data to the process computer wherein a detected fault message is submitted when a crop processing fault is identified.

12. (currently amended) The method of claim 7 wherein the ~~sensed~~ operational data of the operational parts are data concerning at least one of the main engine's oil pressure, temperature, number of rotations and number of rotations of an operative element of the agricultural machine.

13. (original) The method of claim 12 wherein the detected fault message is the amount of lost grain in a threshing and separating process of a combine.

14. (new) The method of claim 1 wherein the person is a fleet manager.

15. (new) A method of monitoring equipment for an agricultural machine, comprising the steps of:

detecting the status of at least one operative part of the agricultural machine;
processing the detected status to determine if the detected status falls within a first predefined range;
processing the detected status to determine a performance parameter and determine if the performance parameter falls within a second predefined range;
automatically transmitting a fault message to a remote location when the detected status falls outside the first predefined range; and
automatically transmitting a fault message to a remote location when the performance parameter falls outside the second predefined range.

16. (new) The method of claim 15 wherein the fault message identifies a type of fault message as one of an engine fault, a crop processing fault, and a performance fault.

17. (new) The method of claim 15 further comprising the step of determining the type of fault that has occurred at the remote location and proposing appropriate measures.

18. (new) The method of claim 15 further comprising the step of activating an actuator based on the processed detected status.

19. (new) The method of claim 15 further comprising the step of activating an actuator based on the processed performance parameters.

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20. (new) The method of claim 15 wherein the remote location has a plurality of message blocks.

Amendments to the Drawings:

The attached sheets of drawings include changes to Fig. 1. This sheet, which includes Fig. 1, replaces the original sheet of Fig. 1. In Fig. 1 a descriptive legend for the structural elements has been added.

Attachments: Replacement Sheet
 Annotated sheet showing changes